

## Short-period receiver function imaging of the crust and the uppermost mantle structure beneath Central and Southwest Japan

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We report new findings from short-period receiver function images of the crust and the uppermost mantle structure beneath central and southwest Japan. We have obtained more clear images than those by explosion seismology. Along several lines, we have recognized the inclined and bump of the Conrad and Moho discontinuities and the prominent difference of amplitudes of PS converted phase at the Moho, together with the good correspondence between the Moho depth and the long-wave length gravity anomaly. And the subducting Philippine Sea slab is seen, which is not so clear as the Moho discontinuity.